Recombinant Rat Agrin

Cat. No. Agrn-1789R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Rat
Source	Sf21 Cells
Description	Agrin is a large proteoglycan whose best characterised role is in the development of the neuromuscular junction during embryogenesis. Agrin is named based on its involvement in the aggregation of acetylcholine receptors during synaptogenesis. In humans, this protein is encoded by the AGRIN gene. This protein has nine domains homologous to protease inhibitors. It may also have functions in other tissues and during other stages of development. It is major proteoglycan component in glomerular basement membrane and may play a role in the renal filtration and cell-matrix interactions.
Molecular Weight	The predicted molecular weight of Recombinant Rat Agrin (C-Terminal) is Mr 90 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.

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Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃to -70℃. After aseptic reconstitution, this protein may be stored at 2℃to 8℃for one month or at -20℃to -70℃in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Agrn agrin [Rattus norvegicus]
Synonyms	Agrn; agrin;AGR
Gene ID	25592
mRNA Refseq	NM_175754
Protein Refseq	NP_786930
UniProt ID	P25304
Chromosome Location	5q36
Pathway	ECM-receptor interaction
Function	acetylcholine receptor regulator activity; laminin binding

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